

What is claimed is:

1. A cytotoxic assay, wherein  
an evaluation of toxicity of a specimen is performed on  
the basis of its toxicity to an established cell line originated  
from sturgeon.
2. A cytotoxic assay as claimed in claim 1, wherein an  
established cell line of Bester origin is used.
3. A cytotoxic assay as claimed in claim 1, wherein an  
established cell line of an epithelial cell origin is used.
4. A cytotoxic assay as claimed in claim 3, wherein an  
established cell line of an ocular epithelial cell origin is  
used.
5. A cytotoxic assay as claimed in claim 4, wherein an  
established cell line of an iris pigmented epithelial cell origin  
is used.
6. A cytotoxic assay as claimed in claim 1, wherein an  
established cell line, where a passage culture of which is  
possible without adding an extra cellular matrix, is used.
7. A cytotoxic assay as claimed in claim 1, wherein an  
established cell line, where 50 times or more of passage cultures  
of which are possible, is used.
8. A cytotoxic assay as claimed in claim 1, wherein an  
established cell line having a doubling time of less than 50  
hours on the second day to the sixth day after the initiation

of culture at 20°C, is used.

9. A cytotoxic assay as claimed in claim 1, wherein an established cell line having a plating efficiency of 75% or more, which is the percentage of cells being attached on a culture dish in one hour after adding these cells into the culture dish, is used.

10. A cytotoxic assay as claimed in claim 1, wherein STIP-1 cells (FERM BP-8421) which are included in an established cell line of a sturgeon eyeball origin are used.

11. A cytotoxic assay as claimed in claim 1, wherein STIP-3 cells (FERM BP-8422) which are included in an established cell line of a sturgeon eyeball origin are used.

12. A cytotoxic assay as claimed in claim 1, wherein an Alamar Blue assay for the toxic evaluation of a specimen is used.

13. An established cell line of a surgeon eyeball origin.

14. An established cell line as claimed in claim 13, wherein sturgeon is Bester.

15. An established cell line as claimed in claim 13, wherein the established cell line is an ocular epithelial cell origin.

16. An established cell line as claimed in claim 13, wherein the established cell line is an iris pigmented epithelial cell origin.

17. An established cell line as claimed in claim 13, wherein a passage culture of which is possible without adding an extra cellular matrix.

18. An established cell line as claimed in claim 13, wherein 50 times or more of passage cultures of which are possible.
19. An established cell line as claimed in claim 13, wherein a doubling time of which is less than 50 hours on the second day to the sixth day after the initiation of culture at 20°C.
20. An established cell line as claimed in claim 13, wherein a plating efficiency of which is 75% or more, which is the percentage of cells being attached on a culture dish in one hour after adding these cells into the culture dish.
21. STIP-1 cells (FERM BP-8421), the established cell line of a sturgeon eyeball origin.
22. STIP-3 cells (FERM BP-8422), the established cell line of a sturgeon eyeball origin.